



Gulf of Mexico Harmful Algal Bloom Bulletin

7 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 3, 2008

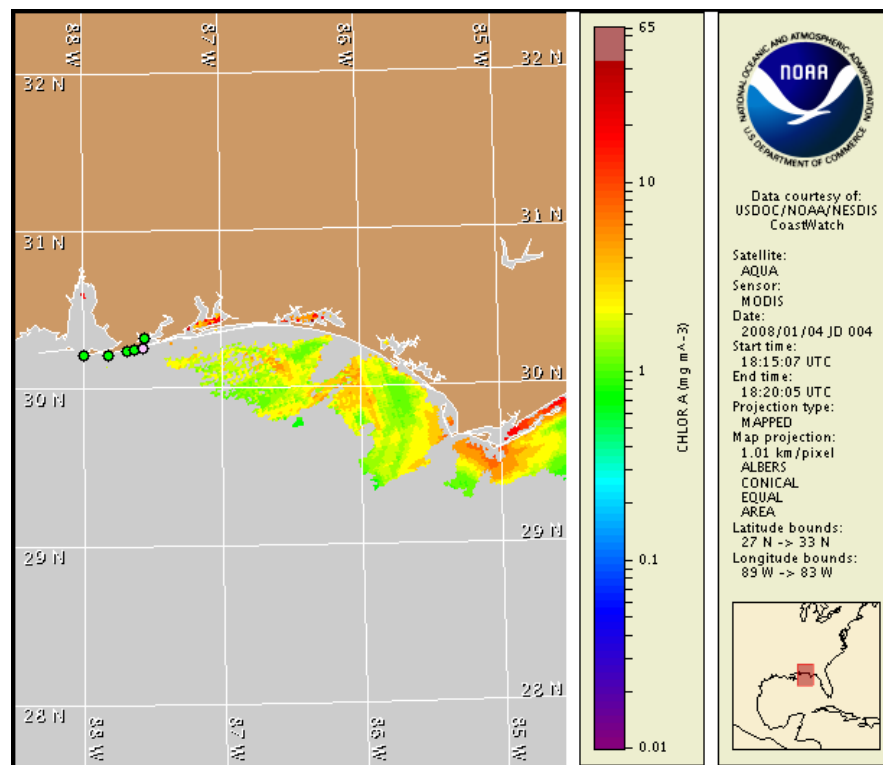
Conditions Report

NW Florida/Alabama: A harmful algal bloom persists in patches in Okaloosa County, Florida and Baldwin County, Alabama. Patchy very low impacts are possible today through Thursday in bay regions of Okaloosa County, Florida and in bay and coastal regions of Baldwin County, Alabama. No other impacts are expected in northwest Florida or Alabama today through Thursday, January 10.

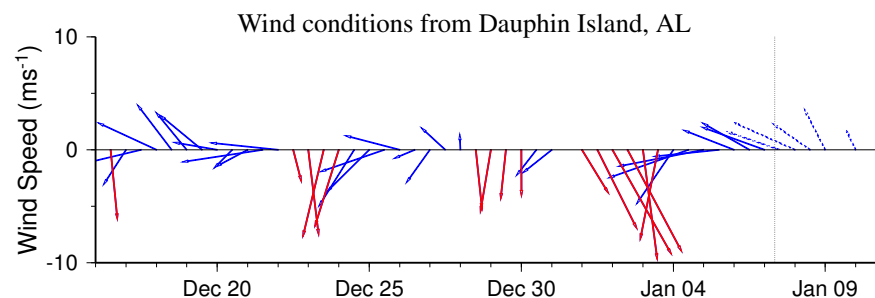
Analysis

A harmful algal bloom persists in patches in bay regions of Okaloosa County, Florida and in Baldwin County, Alabama. No new sampling information is available for the Florida Panhandle. *Karenia brevis* concentrations range from not present to very low (ALDH, 1/1). Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery (1/4) is displayed on pages 1 and 2 of this bulletin. Imagery along the western Florida Panhandle is obscured by clouds; therefore updated bloom extent analysis is not available at this time. A patchy elevated chlorophyll feature (~3-4 $\mu\text{g/L}$) is located ~8 miles offshore of Okaloosa County (central point: 30°7'55"N 86°35'10"W) and Walton County (central point: 29°58'38"N 86°4'6"W). Sampling is recommended. Southerly winds through Thursday may increase impacts.

~Fenstermacher, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from December 28 to January 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

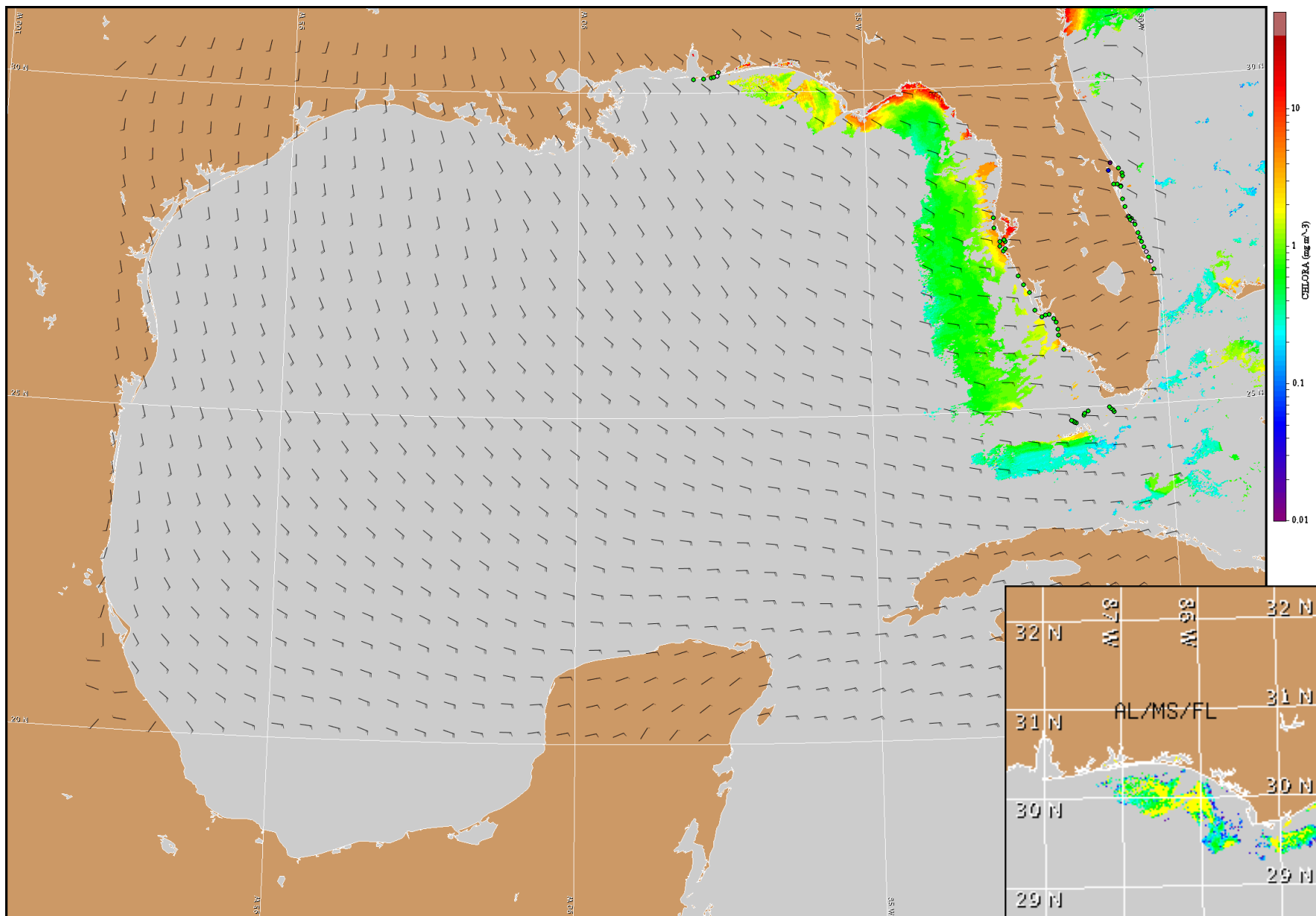


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida & Alabama: Southeasterlies today and Tuesday (10-15 kts; 5-8 m/s). Southerlies Tuesday afternoon through Wednesday (10-15 kts). Strong southerlies becoming northwesterlies on Thursday (20-25 kts; 10-13 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for January 8, 2008 12Z with Cell concentration sampling data from December 28 to January 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Panama City, FL

